

Exhibit A – Part 3

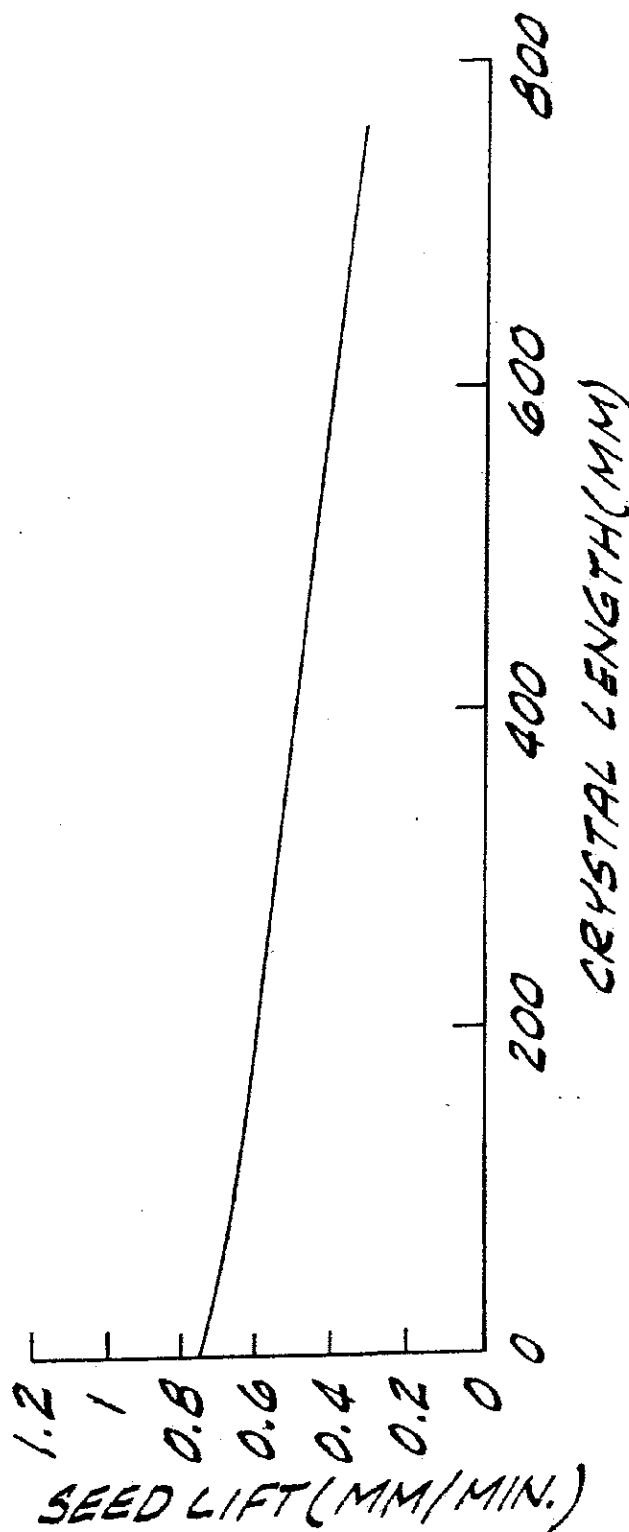
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FIG. 17



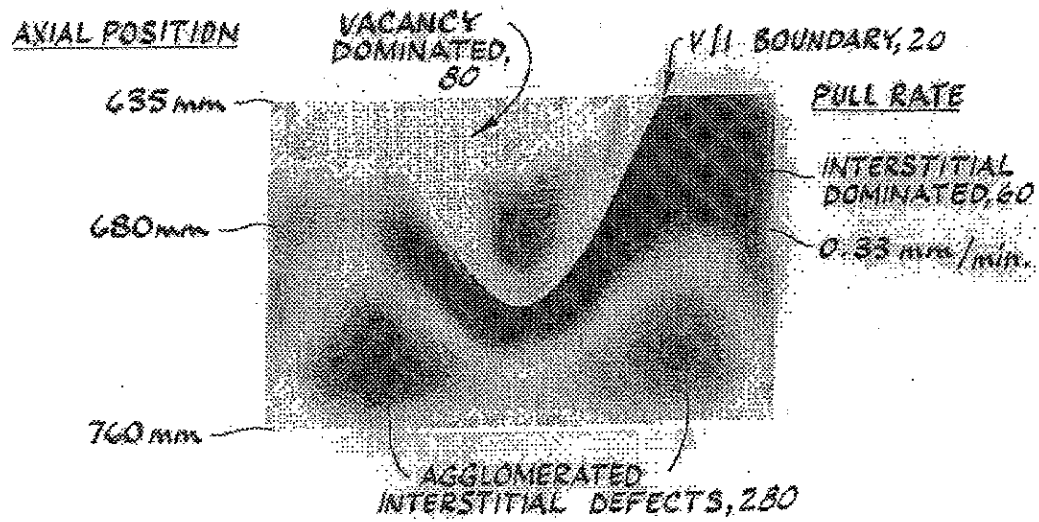
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FIG. 18



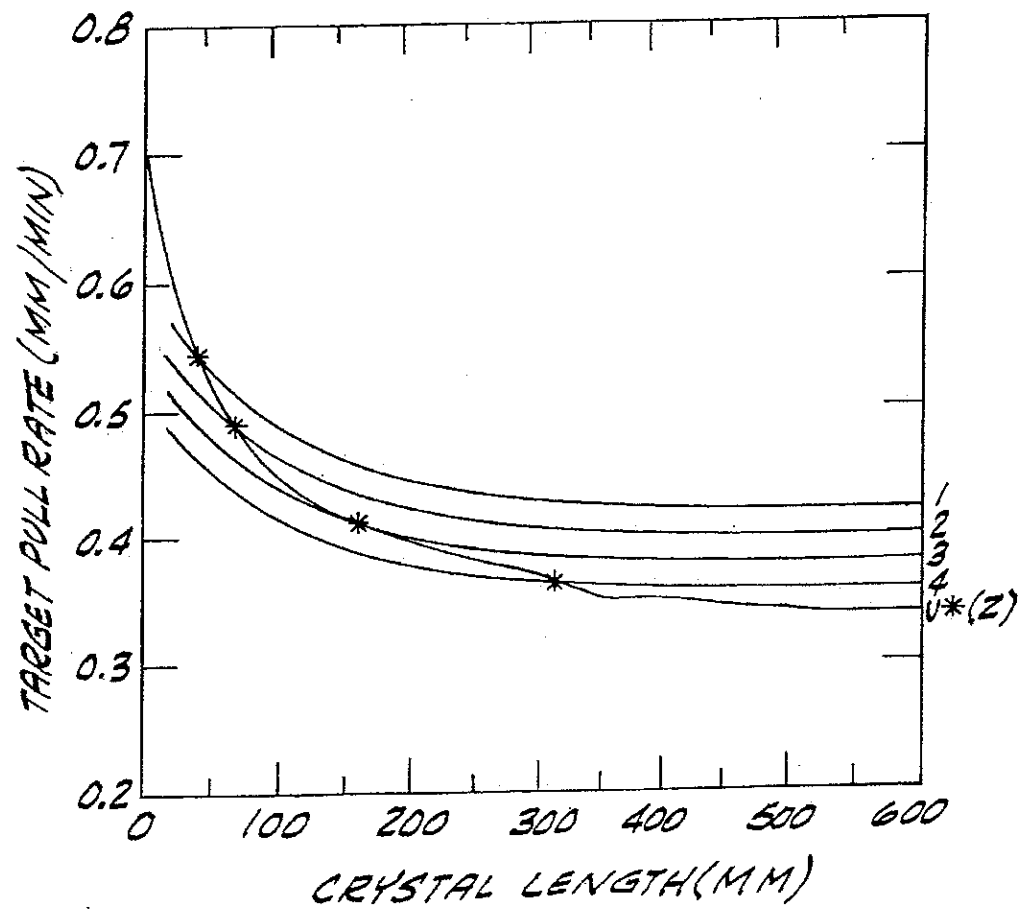
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FIG. 19



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FIG. 20

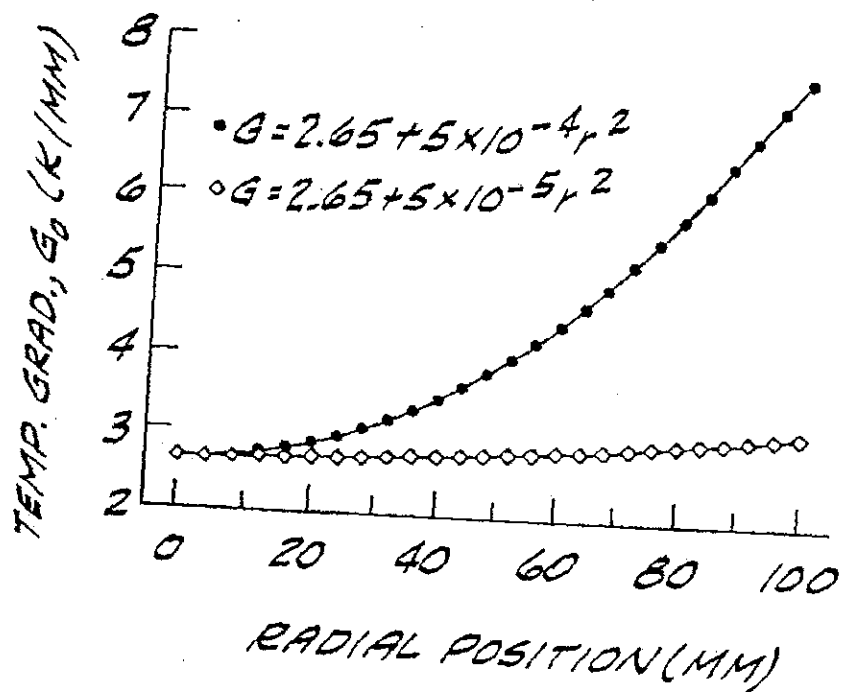
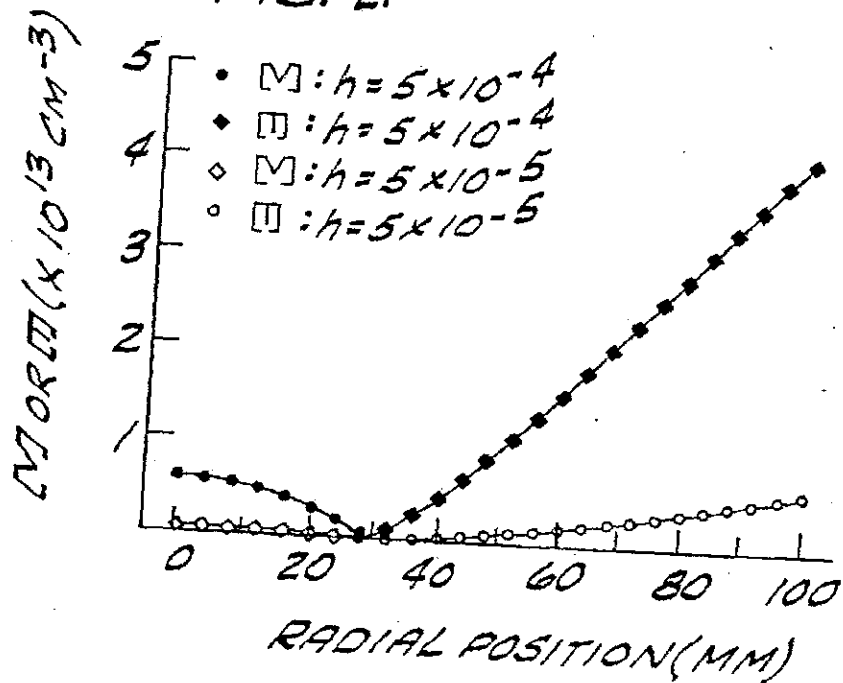


FIG. 21



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FIG. 22

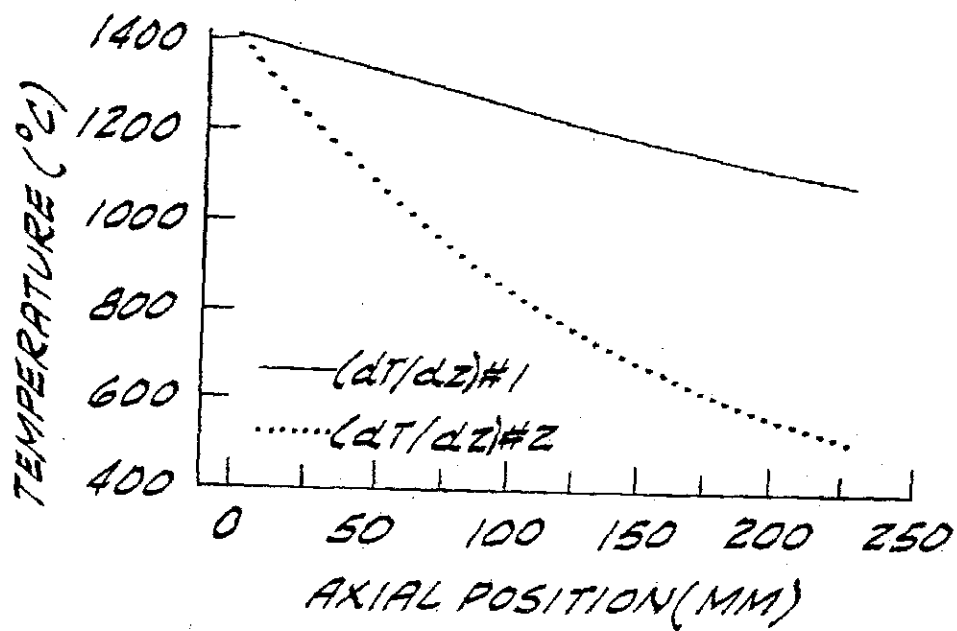
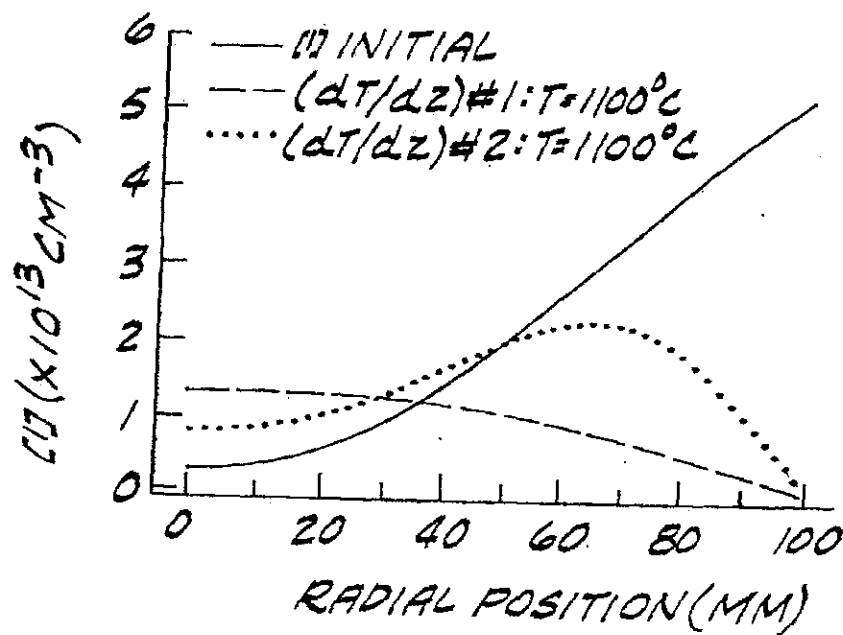


FIG. 23

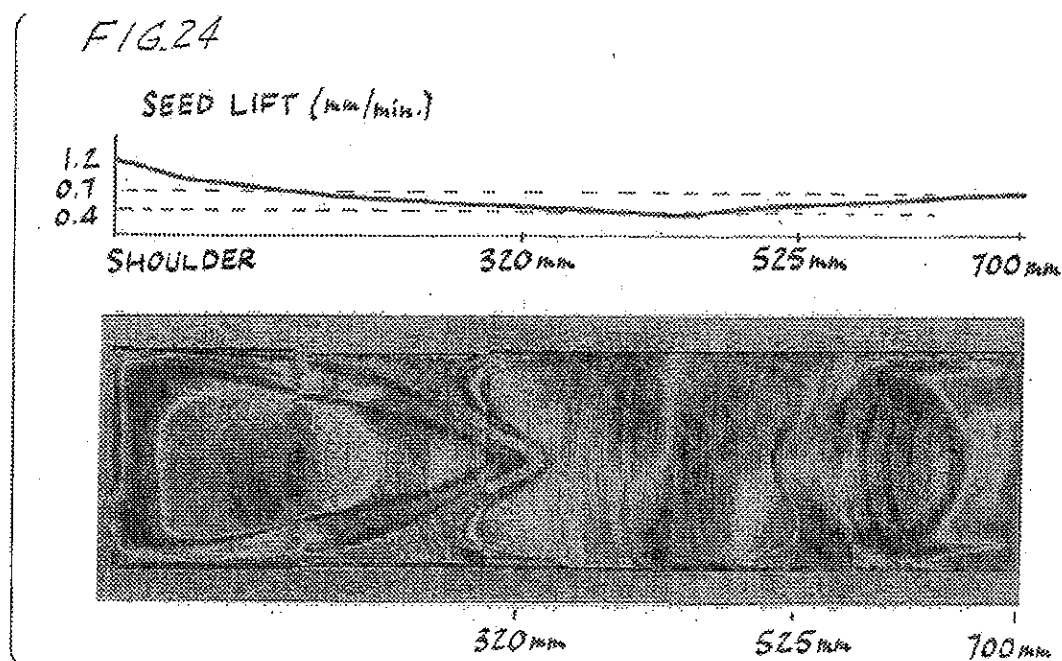


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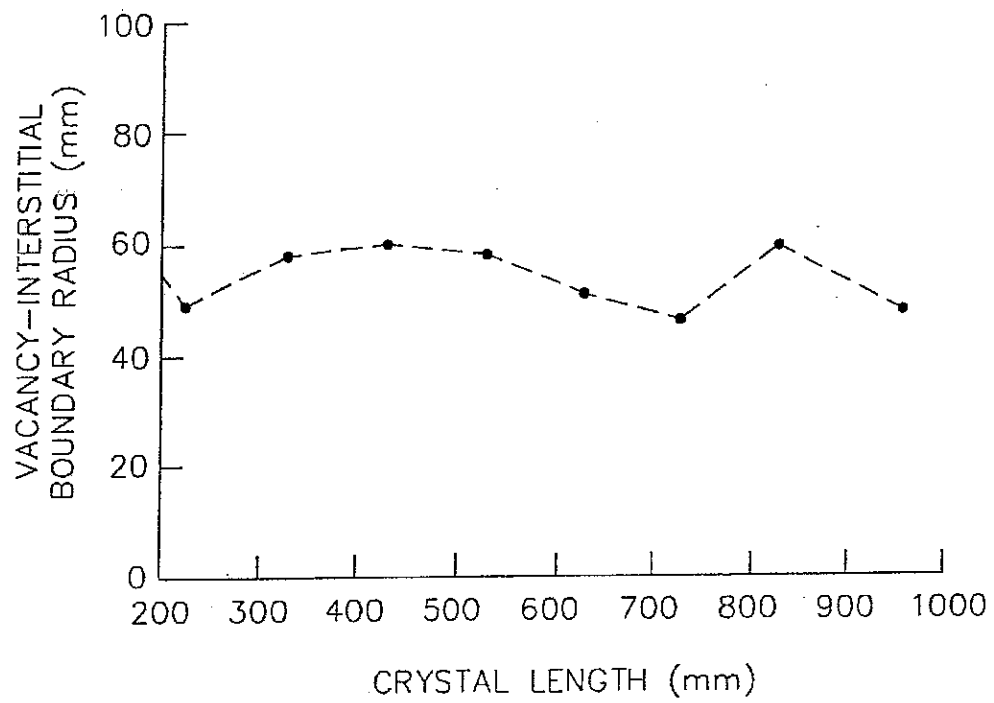
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FIG. 25



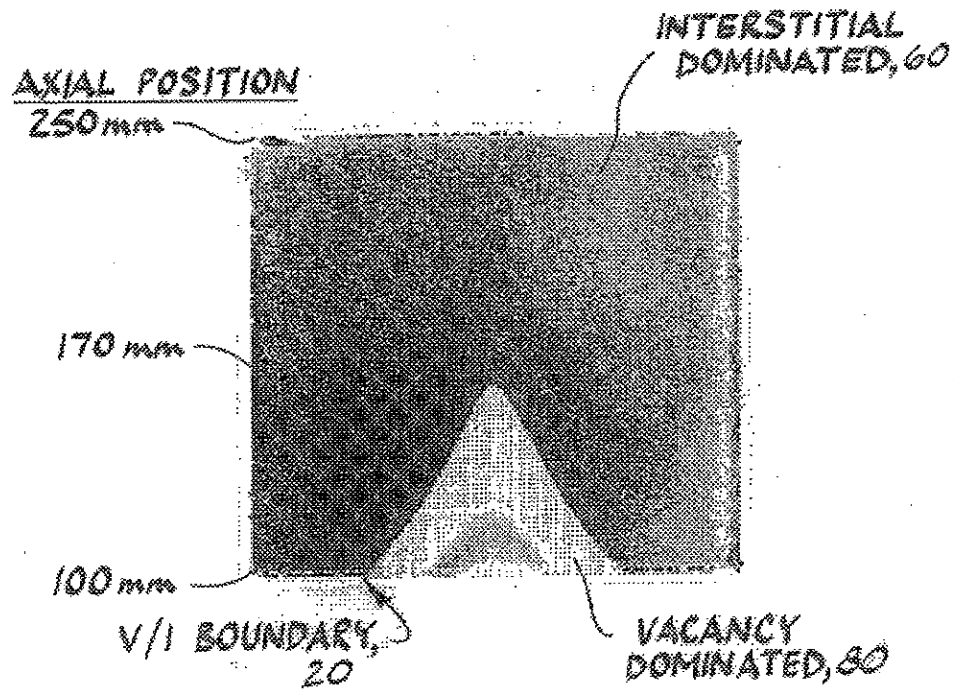
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FIG. 26A



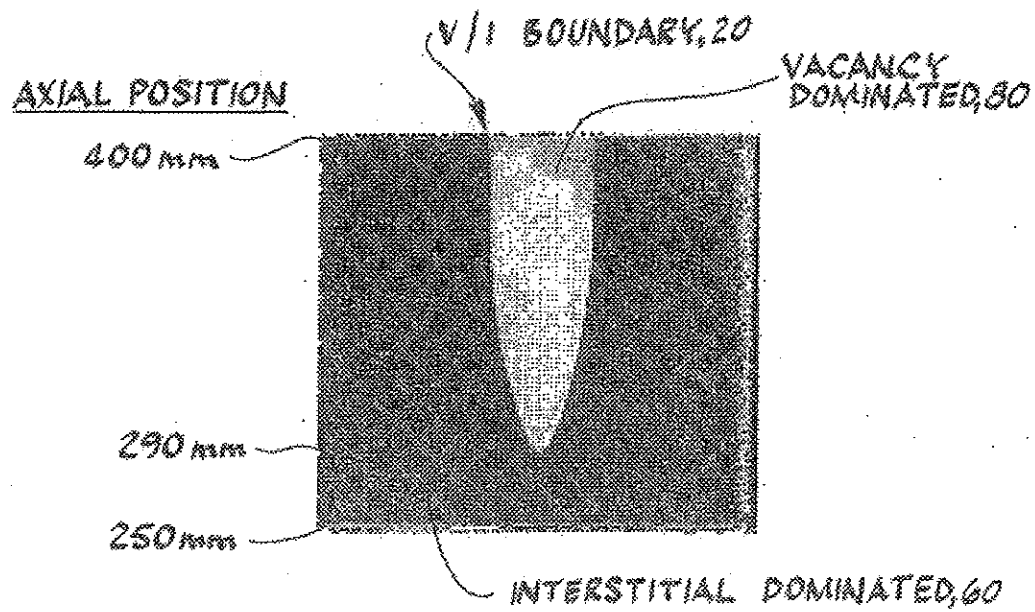
U.S. Patent

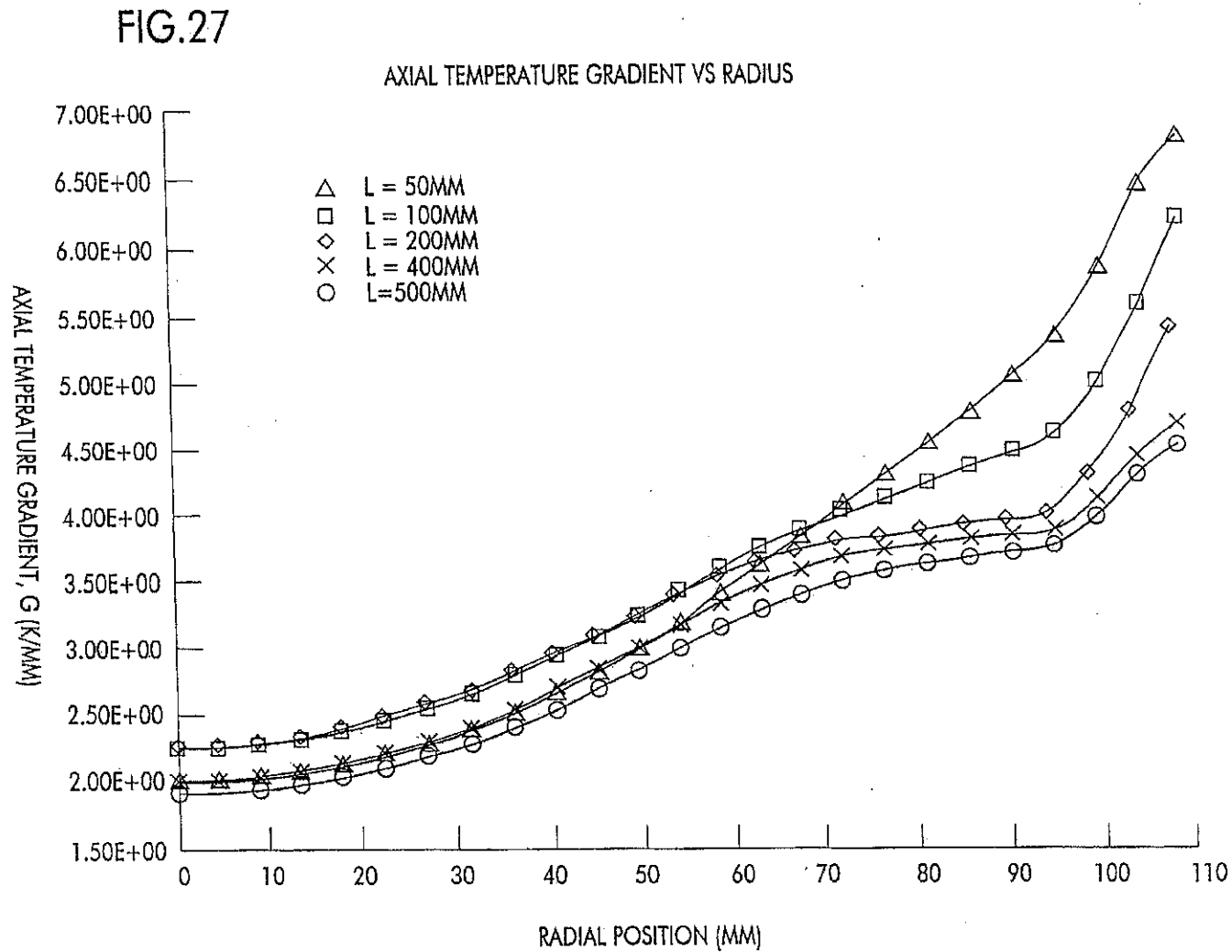
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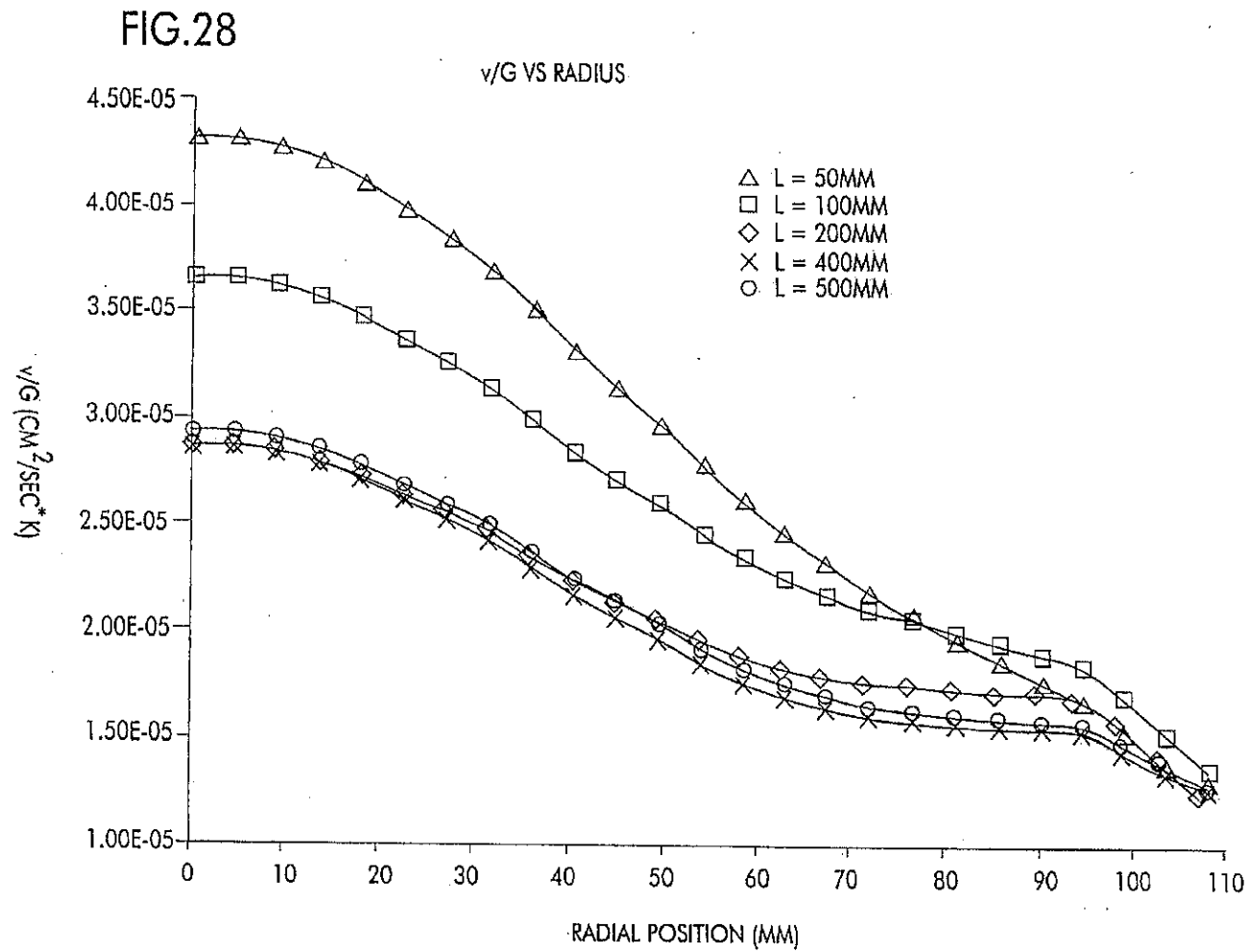
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FIG. 26B







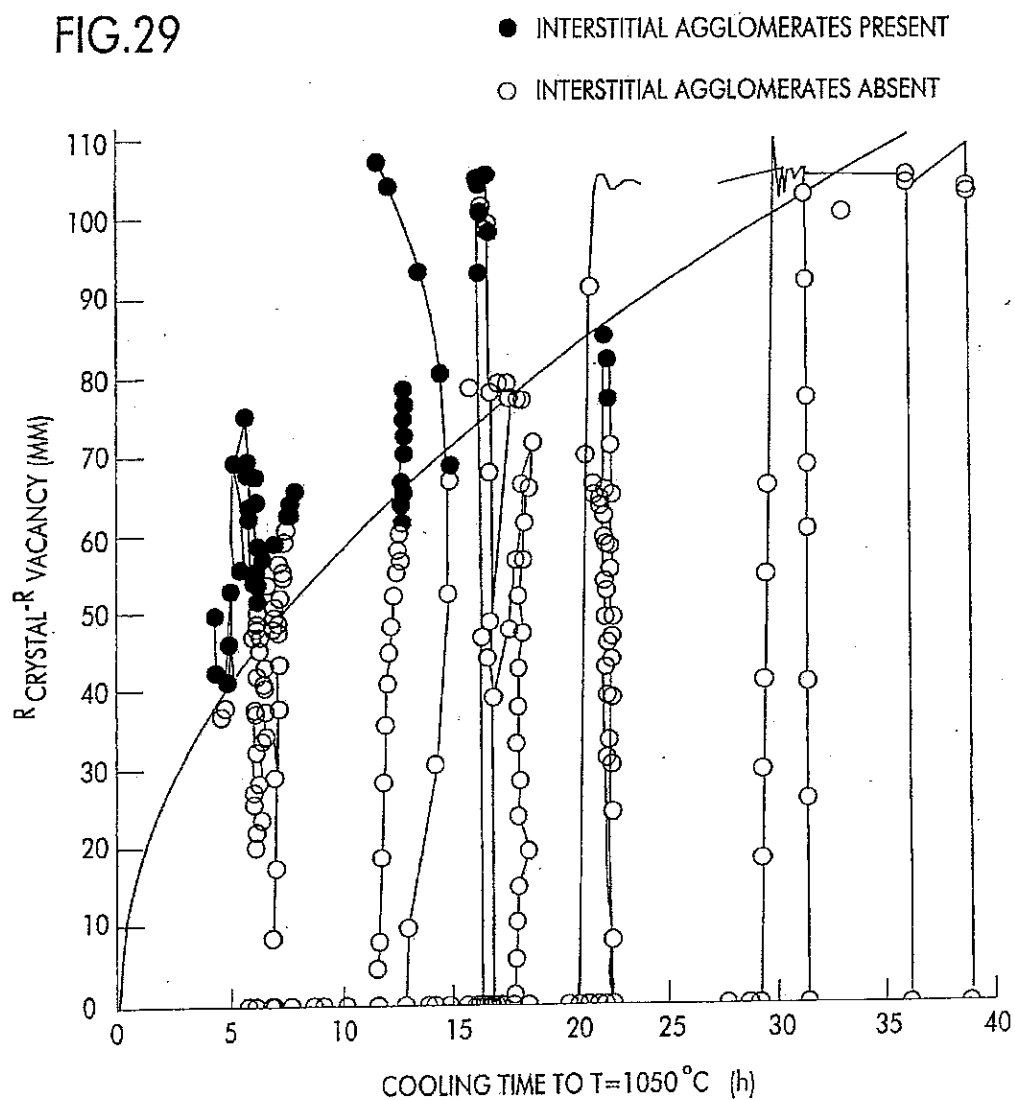
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FIG.29



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FIG. 30

AXIAL
POSITION

235 mm

255 mm

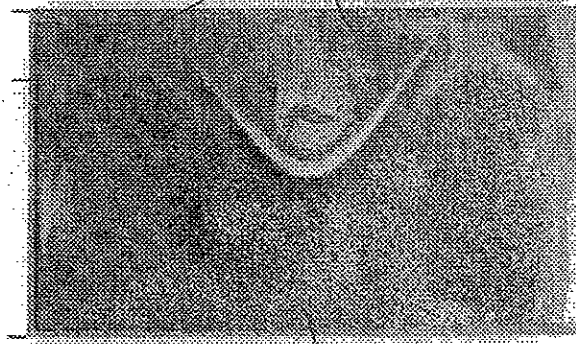
350 mm

V/I BOUNDARY, 20

VACANCY
DOMINATED, 80

PULL RATE

0.4 mm/min.



AGGLOMERATED
INTERSTITIAL DEFECTS, 280

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FIG. 31

AXIAL
POSITION

305mm

360mm

460mm

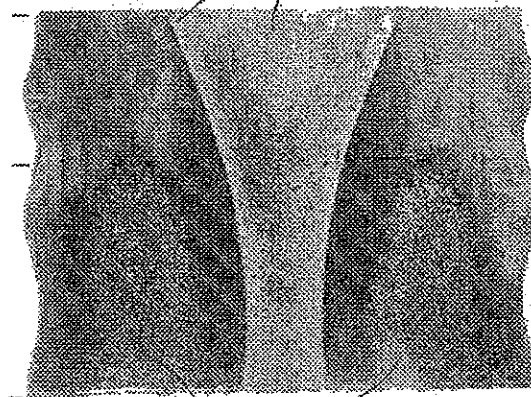
V/I BOUNDARY, 20

VACANCY
DOMINATED, 80

PULL RATE

0.3 mm/min.

AGGLOMERATED
INTERSTITIAL DEFECTS, 280

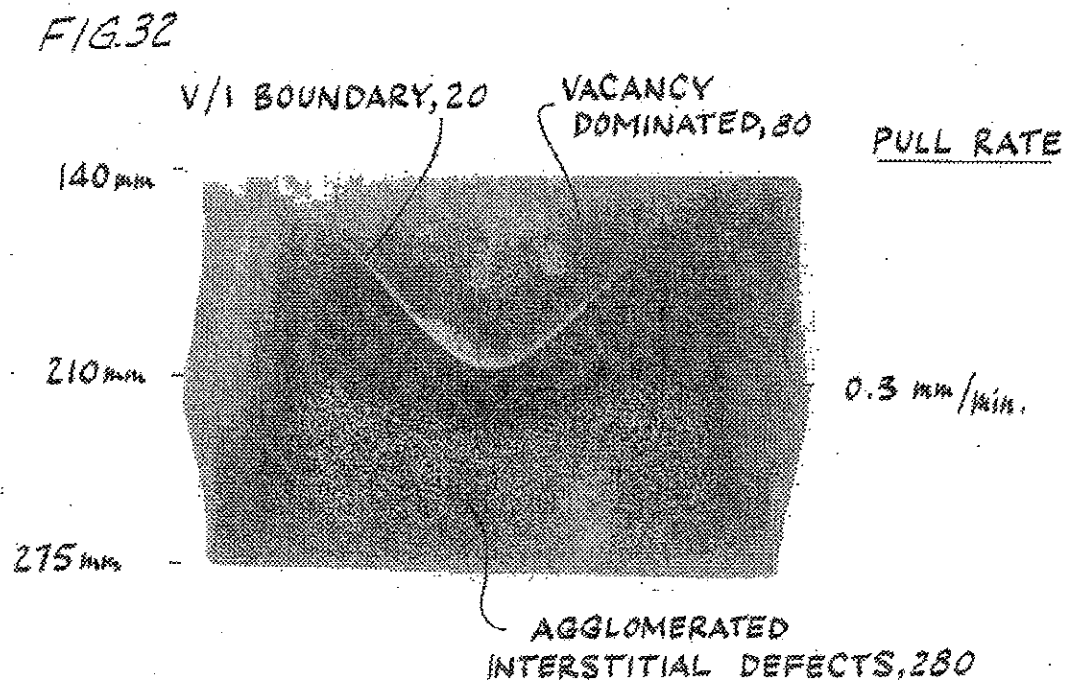


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FIG. 33

AXIAL
POSITION

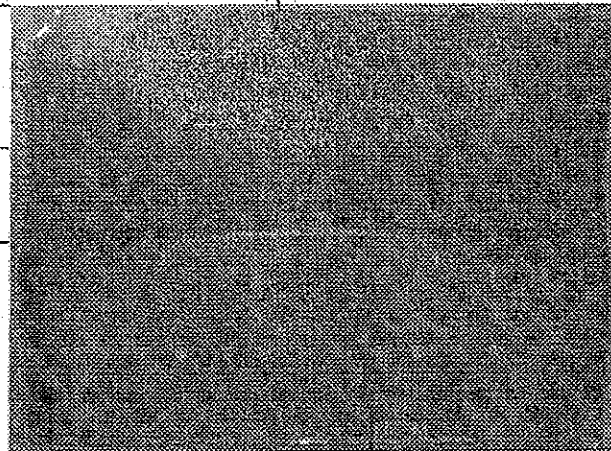
600 mm

640 mm

665 mm

730 mm

AGGLOMERATED
INTERSTITIAL DEFECTS, 280
PULL RATE



VACANCY
DOMINATED, 80

FIG.34

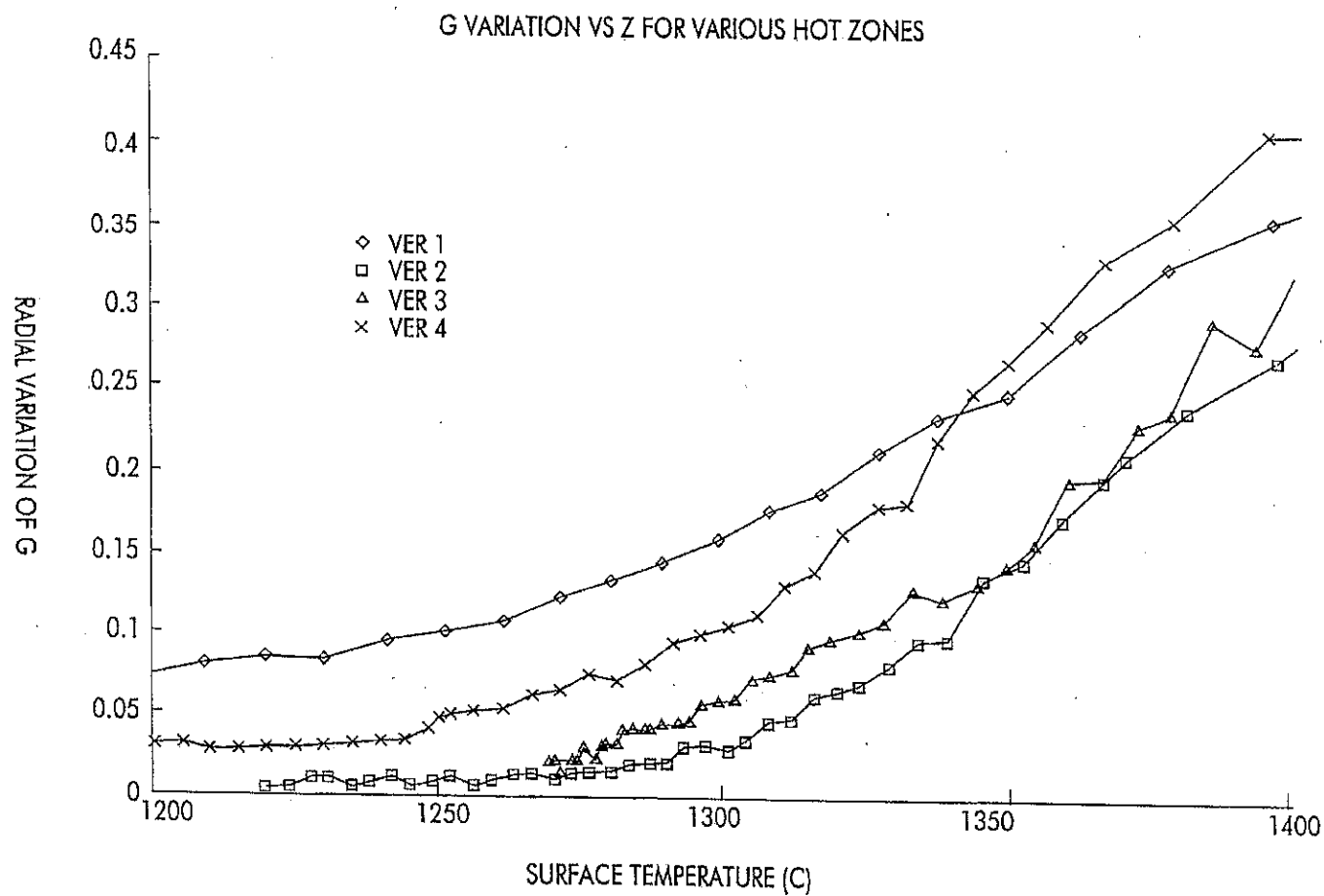


FIG.35

TEMPERATURE PROFILES FOR VARIOUS HOT ZONES

